NOVEMBER/DECEMBER 2025

GCM34/DCM34 — RESEARCH METHODOLOGY

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What do you understand by research?
2. Give the meaning of social research.
3. Define sampling.
4. Write note on interview schedule.
5. What is meant by content analysis?
6. Give the meaning of Questionnaire.
7. Give the concept of f-test.
8. State purpose of chi-square test.
9. State the meaning of oral report.
10. Expand SPSS.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) What are the functions of hypothesis?

Or

(b) List out various factors affecting research design.

12. (a) Explain the various factors to be considered in making the decision of sampling method.

Or

(b) Distinguish between experiment and survey methods of data collection.

13. (a) What are the objectives of classification?

Or

(b) State the need for analysis a Data.

14. (a) What are the differences between f-test and ANOVA?

Or

(b) Explain the significance of statistical analysis in chi-square Test.

15. (a) Discuss the guidelines for oral presentation of a research report.

Or

(b) Describe the importance of SPSS analysis.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the procedure for testing a hypothesis.

17. State the types of data. Explain it.

18. Discuss the types of mistakes that frequently occur in interpretation of data. How can they be avoided?

19. Narrate the importance of F-test and T-test in statistics.

20. Draft the layout of a good research report.

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